

**Notice of Allowability**

Application No.

09/981,881

Examiner

Nirav Patel

Applicant(s)

LAHIRI, SANDIP

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/14/2006.
2. ☒ The allowed claim(s) is/are 1-4, 6-9, 12, 13, 16, 18-21, 23-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20061011.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
**HOSUK SONG**  
PRIMARY EXAMINER

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with the applicant representative, Mr. Siegesmund Rudolf (Registration No. 37,720) on 10/10/2006.

### **CLAIMS:**

a. Referring to claim 1:

Please replace claim 1 as follows:

A method of providing computer screen security for an authorized user comprising:

using a computer program in a computer having a computer screen, creating a scrambled image of an original image by dividing the original image on the computer screen into an array of screen segments; and

changing the orientation of each of the screen segments so that the original image can only be read by the authorized user viewing at a personal display screen electronically connected to a personal display computer;

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wherein the computer and personal display computer are adapted for electronic communication so that the computer program causes the computer to electronically transmit the scrambled image and a parameter to the personal display computer;

wherein the personal display computer uses the parameter to orient each of the screen segments and displays an unscrambled image on the personal display screen so that a user can view the original image on the personal display screen;

wherein the original image is not visible at the computer screen; and

wherein the personal display computer and personal display screen are contained in a set of display glasses.

b. Referring to claim 9:

Please replace claim 9 as follows:

A method of providing security for a computer screen comprising:

using a program in a computer, causing the computer to divide an image into an array of screen segments on the computer screen; and

change the orientation of each of the screen segments to create a scrambled image so that the scrambled image can be read only by a person wearing a set of display glasses and so that the computer screen is incomprehensible to a viewer other than the person wearing the set of display glasses;

electronically transmitting the scrambled image to a personal display computer located in the set of display glasses;

electronically transmitting a codeword to the personal display computer;

responsive to receipt of the codeword by the personal display computer, accessing a parameter from a personal display computer memory; and

wherein the personal display computer uses the parameter to reorganize the scrambled image so that the person wearing the set of display glasses can comprehend the image in an unscrambled form on a display screen of the display glasses.

c. Please cancel claim 11.

d. Referring to claim 12:

Please replace claim 12 as follows:

An apparatus for providing computer screen security comprising:

a programmable processor;

a storage medium;

a program residing in the storage medium;

wherein the program causes the processor to:

divide an image into an array of screen segments on a computer screen; and

create a scrambled image by changing the orientation of each of the screen segments so that the scrambled image can be read only by viewing through an array of lens units that reorganize the scrambled image after electronic transmission to a personal display computer connected to an array of lens units;

electronically transmit the scrambled image to the personal display computer;

electronically transmit a codeword to the personal display computer; and

wherein the personal display computer uses the codeword to configure the array of lens units to reorganize the scrambled image so that an unscrambled image can be viewed on a personal display screen in a set of display glasses.

e. Referring to claim 13:

Please replace claim 13 as follows:

An apparatus for providing computer screen security comprising:

a computer having a programmable processor connected to a storage medium;  
a scrambling program residing in the storage medium;

wherein the scrambling program causes the programmable processor to:

divide an image into a plurality of screen segments and change the orientation of each of the plurality of screen segments so that the image is scrambled;

electronically transmitting a scrambled image to a personal display computer;

wherein the personal display computer unscrambles the scrambled image so that the original image is displayed on a personal display screen connected to the personal display computer; and

wherein the personal display screen has a frame adapted for wear by a user in the manner of glasses.

### **Response to Arguments**

3. Applicant's arguments, filed July 14, 2006 have been fully considered and are persuasive.

### **Allowable Subject Matter**

4. Claims 1-4, 6-9, 12, 13, 16, 18-21, 23-26 are allowed.

### **Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nirav Patel whose telephone number is 571-272-5936. The examiner can normally be reached on 8 am - 4:30 pm (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*NBP*

*10/12/06*

  
HOSUK SONG  
PRIMARY EXAMINER